

Message

From: Morrow, Kirk [kirk.morrow@nebraska.gov]
Sent: 2/22/2021 11:42:48 PM
To: Scott Tingelhoff [stingelhoff@mrgkc.com]
CC: kpeterson@mrgkc.com; dzalesky2@unl.edu; mtingelhoff@mrgkc.com; Ferguson, Doug [Ferguson.Doug@epa.gov]; thomas.buell@nebraska.gov; Pracheil, Brad [brad.pracheil@nebraska.gov]; TJ.Engstrom@cleanharbors.com
Subject: RE: DAILY OBSERVATIONS (FEB 21 (AM); FEB 22 (AM); FEB 22 (AM - SAMPLING))
Attachments: ALTEN OBSERVATIONS (Bubb-AM21FEB.pdf; ALTEN OBSERVATIONS (Heil-AM22FEB).pdf; ALTEN OBSERVATIONS (Michl-Bubb AM22FEB-SAMPLING).pdf

RE: ALT EN LLC
MEAD, NEBRASKA

NDEE FAC ID: 84069

PROGRAM ID: 021221-NH-0845

Mr. Tingelhoff:

For your use and information.

Attached is my group's observations from yesterday and earlier this morning.

There was an additional team of NDEE field personnel in the area this morning tasked with the measurement of surface water physical parameters in the area. Currently, NDEE has postulated that one of these parameters (conductivity) may be useful in the timely identification/confirmation of the material released from the Alt En LLC on February 12. The purpose of today's activities were to measure physical parameters in areas beyond (downstream of) where we believed the spill to have been contained, This planned event was to test our hypothesis and assess the waters beyond the spill (where water remains).

Please note that at the area of Road 7/Highway 66 ("Stop 3") the team observed the spilled material beyond the constructed containment (i.e. immediately east of the highway). This information was immediately shared, on site, with the Clean Harbors work crew.

It is not yet clear if this new area of contamination resulted from migration prior to Saturday's introduction of a "packer device" into the culvert, or if the barrier construction is not capable of stopping water flow in its entirety. At present, I would expect that the barrier should, at a minimum, severely restrict water flow through this new area of discovered contamination and slow the migration further downstream.

Sincerely,

Kirk Morrow, P.G.
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